

ABSTRACT

A three-dimensional conveyor is provided which can be curved in a small curvature even with a wide top plate unit for forming a conveyance face and can be moved in three-dimensional directions, vertically, laterally, or slantingly, and which is turnable around the conveyance direction axis. The three-dimensional conveyor has top plate units connected by couplers. The respective top plate unit has two ball-holding cavities at the front portion and the rear portion thereof for holding terminal balls of the coupler, as the joints. The terminal balls are fit loosely into the ball-holding cavities non-detachably, so that the top plate units can be slanted freely within a prescribed angle range. Further, the top plate units have respectively an engaging portion on each side of the ball-holding cavity on the bottom face of the top plate units to engage with a standardized sprocket to be driven by the rotating driving force the sprocket in a desired direction, vertically or horizontally.